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### Determination of high-order lens aberration using phase/amplitude linear algebra

H Fukuda, K Hayano, S Shirai - Journal of Vacuum Science & Technology B: Microelectronics ..., 1999 - link.aip.org  
... carried out assuming the obtained aberration coefficients, and ... with scanning electron microscopy images of real ... which can account for Zernike lens aberrations ...

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### Increased higher-order optical aberrations after laser refractive surgery A problem of subclinical ...

M Mrochen, M Kaemmerer, P Mierdel, T Seiler - Journal of Cataract & Refractive Surgery, 2001 - Elsevier  
... changes and the calculated changes in Zernike coefficients. ... less than 1.0 mm on ocular aberrations means there ... by the surgeon—the first Purkinje image (P) of ...

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### [HTML] ► Impact of lens aberrations on optical lithography

TA Brunner - Journal of Research, 1997 - research.ibm.com  
... member of the first eleven Zernike aberrations, but similar ... Both coma and spherical aberration were found to cause larger image deviations when was small ...

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### Aberration retrieval using the extended Nijboer-Zernike approach

P Dirksen, J Braat, AJEM Janssen, C Juffermans - Journal of Microlithography, Microfabrication, and ..., 2003 - link.aip.org  
... image intensity using the retrieved Zernike coefficients and compared it with the experimental image intensity as ... The dominant aberration is 5th-order X-coma ...

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### [CITATION] Dynamics of the eye's wave aberration - ► um.es [PDF]

H Hofer, P Artal, B Singer, JL Aragón, DR Williams - Journal of the Optical Society of America A, 2001 - OSA  
... this simulation was 128 sets of Zernike coefficients describing ... for PA's static wave aberration would have ... have clearly seen in the HS image sequences, were ...

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### [CITATION] One-dimensional spectral of turbulence-induced Zernike aberrations: time-delay and isoplanicity ...

F Roddier, MJ Northcott, JE Graves, DL McKenna, D ... - JOURNAL-OPTICAL SOCIETY OF AMERICA A, 1993 - OSA  
Cited by 81 - Related articles - Web Search - SL Direct - All 8 versions

### The tuning of a Zernike phase plate with defocus and variable spherical aberration and its use in ... - ► erc.org [PDF]

M Lentzen - Ultramicroscopy, 2004 - Elsevier  
... by lens aberrations, by an ideal Zernike phase plate ... proper choice of defocus and spherical aberration still yields ... and non-linear part of the image intensity. ...

Cited by 21 - Related articles - Web Search - All 4 versions

### [CITATION] Statistical variation of aberration structure and image quality in a normal population of healthy ...

LN Thibos, X Hong, A Bradley, X Cheng - Journal of the Optical Society of America A, 2002 - OSA  
Cited by 145 - Related articles - Web Search - SL Direct - All 11 versions

### Measuring optical image aberrations with pattern and probe based targets

G Robins, K Adam, A Neureuther - Journal of Vacuum Science & Technology B: Microelectronics ..., 2002 - link.aip.org  
Measuring optical image aberrations with pattern and probe based ... the ability of

programmed-probe based aberration targets to measure individual Zernike terms ...

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[CITATION] Algorithm to increase the largest aberration that can be reconstructed from Hartmann sensor ...

MC Roggemann, TJ Schulz - APPLIED OPTICS, 1998 - OSA

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Key authors: S Marcos - L Thibos - P Artal - J He - R Applegate

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